

Title (en)  
PREVENTIVES OR REMEDIES FOR DISEASES INDUCED BY HYPOFUNCTION OF NITRIC OXIDE SYNTHASE (NOS)

Title (de)  
VORBEUGENDE ODER HEILENDE MITTEL FÜR KRANKHEITEN, DIE DURCH MANGEL AN STICKOXID-SYNTHASE (NOS) AUSGELÖST SIND

Title (fr)  
PREPARATIONS SERVANT A LA PREVENTION ET AU TRAITEMENT DE MALADIES PROVOQUEES PAR UNE HYPOFONCTION DE L'OXYDE NITRIQUE SYNTHASE

Publication  
**EP 0908182 B1 20031022 (EN)**

Application  
**EP 97937845 A 19970829**

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Abstract (en)  
[origin: EP0908182A1] It is an object of the present invention to provide a therapeutic agent for effectively preventing or ameliorating diseases caused by dysfunction of NOS. The present invention provides a pharmaceutical composition for preventing and/or treating diseases associated with dysfunction of NOS, comprising as an effective ingredient, a compound of the formula (I): <CHEM> wherein R<1> and R<2> each represents a hydrogen atom or, taken together with each other, represent a single bond, while R<3> represents -CH(OH)CH(OH)CH<sub>3</sub>, -CH(OCOCH<sub>3</sub>)CH(OCOCH<sub>3</sub>)CH<sub>3</sub>, -CH<sub>3</sub>, -CH<sub>2</sub>OH, or a phenyl group when R<1> and R<2> each represents a hydrogen atom, or -COCH(OH)CH<sub>3</sub> when R<1> and R<2> together represent a single bond, or a pharmaceutically acceptable salt thereof.

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**A61K 31/505**; **A61P 37/00**; **A61P 25/00**; **A61P 9/00**; **A61P 1/00**

IPC 8 full level  
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Citation (examination)  
Scott-Burden, T.: "Regulation of Nitric Oxide Production by Tetrahydrobiopterin", Circulation, vol. 91, 1995, pages 248-250

Cited by  
AU2003293607B2; EP1488793A4; EP1004308A4; US6288067B1; WO03080063A1; WO2006120176A3; WO2004084906A1; WO2004017955A1; WO2005041975A1; WO2005018620A3; US8222238B2; US9382252B2; US9422289B2; WO2011011092A1; US9089573B2; US9579321B2; US9993481B2; US10251887B2; US11090305B2; EP1708690B1

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